



Exhibit A

## CURRICULUM VITAE

### Personalia

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Name	Johannes Jacobus Ludgerus GIELEN
Date and place of birth	25 August 1962, Zuidelijke IJsselmeer Polders, the Netherlands
Civil status	Married, two children
Address	6A, Impasse Manet 31140 AUCAMVILLE, France
Telephone	(33) 562 750 117 (private) (33) 562 799 887 (office)
E-mail	Jan.Gielen@Syngenta.com

### Education

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Masters in Biology	September 1980 - June 1987 Free University, Amsterdam, the Netherlands
Ph.D. in Agricultural Sciences	December 1995 Agricultural University, Wageningen, the Netherlands Thesis: Molecular Breeding for Virus Resistance: an applied approach in vegetable crops.

## Professional experience

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**Free University of Amsterdam** October 1983 - June 1987  
Amsterdam, Netherlands Masters Biology

Practical training periods of 6 months each in Molecular Genetics, Plant Physiology, Phytopathology and Microbial Physiology.

**Syngenta Seeds** July 1987 - November 1994  
Enkhuizen, Netherlands Project Leader Molecular Cell Biology

**Key responsibility:**

Introducing virus resistance in various vegetable crops by means of genetic engineering, i.e. the construction of pathogen-derived resistance genes, the development of proprietary transformation protocols for lettuce, tomato, and melon, and the analysis and molecular characterization of transgenic plants, including the organization of field trials.

**Syngenta Seeds** November 1994 - present  
Saint-Sauveur, France Program Leader Transgene Biotechnology

**Key responsibilities:**

Managing the research program related to the transgene biotechnology sugar beet in collaboration with the Swedish laboratory in Landskrona, involving herbicide resistance, nematode resistance, virus resistance, etc.

Facilitating and supporting the regulatory and governmental affairs concerning the field trial and marketing applications of genetically modified crops.

Scouting and coordination of external research projects.

## Languages

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Dutch	Native tongue
English	Fluent in oral and written communication
French	Fluent in oral communication
German	Passive command only

## Major publications

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- Gielen, J.J.L., 1995. Molecular Breeding for Virus Resistance: an applied approach in vegetable crops. Ph.D. thesis, Agricultural University, Wageningen (ISBN 90-5485-480-4).
- Gielen, J., T. Ultzen, S. Bontems, W. Loots, A. van Schepen, A. Westerbroek, P. de Haan & M. van Grinsven, 1996. Coat protein-mediated protection to cucumber mosaic virus infections in cultivated tomato. *Euphytica* 88: 139-149.
- Ultzen, T., J. Gielen, F. Venema, A. Westerbroek, P. de Haan, M. Tan, A. Schram, M. van Grinsven & R. Goldbach, 1995. Resistance to tomato spotted wilt virus in transgenic tomato hybrids. *Euphytica* 85: 159-168.
- de Haan, P., J.J.L. Gielen, M. Prins, I.G. Wijkamp, A. van Schepen, D. Peters, M.Q.J.M. van Grinsven & R.W. Goldbach, 1992. Characteristics of RNA-mediated resistance to tomato spotted wilt virus in transgenic tobacco plants. *Bio/Technology* 10: 1133-1137.
- Gielen, J.J.L., P. de Haan, A.J. Kool, D. Peters, M.Q.J.M. van Grinsven & R.W. Goldbach, 1991. Engineered resistance to tomato spotted wilt virus, a negative-strand RNA virus. *Bio/Technology* 9: 1363-1367.